

**WHAT IS CLAIMED IS:**

1. A computer-implemented method for facilitating a services marketplace, comprising:
  - defining a set of service classification and material terms;
  - registering a plurality of participants of the service marketplace;
  - searching and compiling at least one offer and one request for offers provided by said participants for selling or buying services, wherein the offer and the request for offer is described in said set of service classification and material terms;
  - evaluating and matching the offer and the request for offer based upon the degree of identicalness of said set of service classification and material terms recited in the offer and the request for offer; and
  - communicating to matched participants of the result generated by the evaluating and matching step.
2. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of making the offer and the request for offer accessible for consideration by the participants.
3. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of settling a transaction based upon said set of service classification and material terms recited in the matched offer and the matched request for offer.
4. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of arbitrating a dispute regarding said set of service classification and material terms recited in the matched offer and the matched request for offer.

5. A computer-implemented method for facilitating a services marketplace according to claim 3, further comprising a step of assisting the matched participants to fulfill the transaction based upon said set of service classification and material terms recited in the matched offer and the matched request for offer.
6. A computer-implemented method for facilitating a services marketplace according to claim 1, wherein the searching and compiling step includes organizing at least one of retaining session, off-retaining session, accumulating session, and double session.
7. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of data-mining the offer and the request for offer to discover at least one transactional attribute of one, a portion, or all of the participants.
8. A computer-implemented method for facilitating a services marketplace according to claim 7, further comprising a step of simulating the marketplace based upon the results of the data-mining step and operational constraints of one of said participants, wherein the operational constraints includes asset, cash, capital, inventory, labor, staff, debt, liability, intellectual property, customer preference, competitors' actions and plans, suppliers' actions and plans so as to determine an optimized business action or plan from an integrated and long term perspective.
9. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of recognizing at least one of speech, language, emotion, social intelligent, character and characteristics of

at least one of the participants by analyzing acoustic or imagery signals collates with the at least one of the participants.

10. A computer-implemented method for facilitating a services marketplace according to claim 7, further comprising a step of recognizing at least one of speech, language, emotion, social intelligent, character and characteristics of at least one of the participants by analyzing acoustic or imagery signals collates with the at least one of the participants in conjunction with the at least one transactional attribute of one, a portion, or all of the participants.
11. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of referring business among the participants based upon the results of the registration step or the at least one offer and one request for offers.
12. A computer-implemented method for facilitating a services marketplace according to claim 1, wherein the registering step further including registering at least one charity and one donor, wherein the least one offer and one request include at least one offer to donate services and one request for donating services.
13. A computer-implemented method for facilitating a services marketplace according to claim 1, wherein some of the participants are in locations without sufficient internet infrastructure.
14. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising providing a retaining agent to execute all steps in the method, wherein the retaining agent is equipped with artificial intelligence.

15. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of taking or sharing risk with at least one of the participants.
16. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of collecting fees or commission at least one of the participants for executing any one of the other steps in the method.
17. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of promoting at least one of the offer and the request or services of at least one of the participants.
18. A computer-implemented method for facilitating a services marketplace according to claim 3, wherein the settling step including forwarding payment via a mode selected from the group consisting of credit card information, debit card information, electronic cash information, billing, invoicing, bartering or other non-monetary consideration, and combinations thereof.
19. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of gap-filling any unspecific material terms in the at least one offer and one request for offers with a set of default terms or gap-filters.
20. A computer-implemented method for facilitating a services marketplace according to claim 7, further comprising a step of predicting behavior of the participants or market based on the result generated by the data-mining step, a set of predetermined operational constraints of one participant, and causal relationships and sensitivities among the factors.

PCT/EP2019/052265

21. A computer-implemented method for facilitating a services marketplace according to claim 20, further comprising a step of optimizing profits of the participant based on the result generated by the predicting step.
22. A computer-implemented method for facilitating a services marketplace according to claim 9, whereby detecting and analyzing body language or pulse, temperature of the participant so as to recognize the emotion, social intelligence, character or characteristics of the participant.
23. A computer-implemented method for facilitating a services marketplace according to claim 1, wherein the matched offer and the matched request for offers automatically becomes binding as soon as the result generated by the evaluating and matching step is sent or communicated to the matched participants according to said set of material terms recited in the matched offer and matched request for offers.
24. A computer-implemented method for facilitating a services marketplace according to claim 1, wherein the matched offer and the matched request for offers are still open according to said set of material terms recited in the matched offer and matched request for offers, and the matched participants may elect to continue or stop negotiating.
25. A computer-implemented method for facilitating a services marketplace according to claim 1, wherein a participant limits other participants from submitting multiple offers of requests for offer to probe for undisclosed material terms in said set of material terms recited in the at least one offer and one request for offers.

100-100-100-100-100-100-100-100-100-100

26. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of authenticating credit of the participants or the matched participants.
27. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of authenticating one or more selected material terms recited in the offer and the request for offers.
28. A computer-implemented method for facilitating a services marketplace according to claim 1, further comprising a step of hosting a site or a website accessible to the participants for posting or browsing the at least one offer and one request for offers.
29. A computer-implemented method for facilitating a services marketplace according to claim 2, further comprising a step of screening access of the participants according to a screening criteria recited in the at least one offer and one request for offers.
30. A computer-implemented method for facilitating a services marketplace according to claim 6, further comprising a step of screening access of the participants to the sessions according to a screening criteria recited in the at least one offer and one request for offers.
31. A computer-implemented method for facilitating a services marketplace according to claim 1, wherein the material terms recited in the offer and the request for offers are prioritized or weighted, and the evaluating and matching step including a step of establishing a hierarchy of offers or requests for offers based on the prioritized or weighted material terms.

50 50 50 50 50

- 32. A computer-implemented method for facilitating a services marketplace according to claim 28, further comprising a step of representing at least one of the participants or the retaining agent in an actual or artificial two-dimensional, three-dimensional, six-dimensional or holographic image.
- 33. A computer-implemented method for facilitating a services marketplace according to claim 1, wherein the services include service packages each of which contains two or more complementary or co-branding services.
- 33. A computer-implemented method for facilitating a services marketplace according to claim 28, further comprising encrypting all communication among the participants or between the participants and the site or the website.
- 34. A computer-implemented method for facilitating a services marketplace according to claim 1, wherein said material terms are established by trade associations or professional associations.
- 35. A computer-implemented method for facilitating a services marketplace according to claim 24, wherein the negotiation is continued by sending counter offers.
- 36. A computer-implemented method for creating a services marketplace according to claim 6, whereby offers or requests for offers are incrementally pooled into one collective retainer and a retaining group is formed at the end of the accumulating session.
- 37. A computer-implemented method for creating a services marketplace according to claim 36, wherein said retaining group includes members at different geographic locations.

PCT/EP2018/052050  
SEARCHED  
INDEXED  
FILED  
10.03.2018  
10.03.2018

38. A computer-implemented method for creating a services marketplace according to claim 36, wherein the members are affiliated via at least one of affiliated entities, agents, brokers, distributors, franchises, other cooperative relationships, associations, other types of non-profit organizations.
39. A computer-implemented method for creating a services marketplace according to claim 36, wherein the members are non-related but for selling or buying said services.
40. A computer-implemented method for creating a services marketplace according to claim 1, wherein the at least one offer and one request is accepted, conditionally accepted, rejected or countered based upon the result generated by the evaluating and matching step.
41. A computer-implemented method for facilitating a services marketplace according to claim 9, further comprising a step of representing at least one of the participants or the retaining agent in a two-dimensional, three-dimensional, six-dimensional or holographic image according to spoken or written commands of the at least of the participants based on the result generated by the recognizing step.
42. A computer-implemented method for facilitating a services marketplace according to claim 9, whereby the imagery signals of the participant is taken to compute features of the participant including lip separation, lip shape and intrusion depth parameters, so as to characterize and discriminate spoken phonemes of the participant.
43. A computer-implemented method for facilitating a services marketplace according to claim 42, whereby said spoken phonemes of the participant is

normalized to be compared with reference languages so to identify the language used by the participant.

44. A computer-implemented method for facilitating a services marketplace according to claim 43, whereby the identified language is translated into another language in texts, voice or sight language.
45. A computer-implemented method for facilitating a services marketplace according to claim 44, whereby said voice or sight language is represented in an actual or artificial two-dimensional, three-dimensional, six-dimensional or holographic figure of the participant.
46. A computer-implemented method for facilitating a services marketplace according to claim 7, wherein the at least one transactional attribute include consumption profiles, habits and preferences.
47. A computer-implemented method for facilitating a services marketplace according to claim 4, whereby said body language-analyzing step includes:
  - taking a plurality of sequential actual images of the speaker;
  - extracting data on predetermined regions or features of the speaker from said plurality of sequential actual images;
  - comparing said data of every two of said sequential actual images to generate predicated images of the predetermined regions or features of the speaker with at least one facial expression algorithm;
  - further comparing the predicated images with the predetermined regions or features and the actual images taken and extracted immediately after said every two of said sequential actual images;
  - modifying said facial expression algorithm according to the comparing result of the predicted images and said actual images.

100-2023-0606

48. A computer-implemented method for facilitating a services marketplace according to claim 47, wherein the further comparing step is triggered only if the comparing step decides that the speaker demonstrated a negative emotion including anger, sadness, and fear.
49. A computer-implemented method for facilitating a services marketplace according to claim 1 further comprising a step of balancing the load of a cluster of computers that function together as a single entity for executing the method.
50. A computer-implemented method for facilitating a services marketplace according to claim 1 further comprising a step of assigning at least one of the participants an identification number so as to keep the participant anonymous.
51. A computer-implemented method for facilitating a services marketplace according to claim 1 further comprising a step of translating the at least one offer and one request for offer into a predetermined computer language or format.
52. A computer-implemented method for facilitating a services marketplace according to claim 11 further comprising rewarding a referrer which makes the referral.
53. A computer-implemented method for creating a services marketplace according to claim 1, wherein the material terms include at least one of geographic restrictions which include labor, unions, professional licenses, local contains requirements, heavy equipment or materials, or unique characteristics of products originated from a specific geographic location.

TAKEN  
INTO  
CONSIDERATION

54. A computer-implemented method for creating a services marketplace according to claim 1 further comprising a step of executing at least one pre-scheduled purchase for at least one of the participants according to a set of pre-set preferences or criteria.
55. A computer-implemented method for creating a services marketplace according to claim 54, wherein the at least one of the participants orders an agent to automatically and systematically purchase lottery tickets according to criteria of types of lotteries, numbers and dates.
56. A computer-implemented method for creating a services marketplace according to claim 1 further comprising a step of auctioning and scheduling guest speakers services for guest speakers.
57. A computer-implemented method for creating a services marketplace according to claim 1 further comprising a step of matching employment opportunities initiated by an employer, an job-seeker, or a head-hunter.
58. A computer-implemented method for creating a services marketplace according to claim 1 further comprising an alternative evaluating and matching step in case that two or more offers or requests for offers having a same degree of identicalness of said set of service classification and material terms recited in the offer and the request for offer.
59. An automated system for facilitating a services marketplace comprises a server hosting a web site accessible to a plurality of participants of the service marketplace, said server including

a storage medium for storing a set of service classification and material terms, at least one offer and one request for offers provided by said participants for selling or buying services, wherein the offer and the request for offer is described in said set of service classification and material terms; and

a data processor for searching and compiling the at least one offer and one request for offers, for evaluating and matching the offer and the request for offer based upon the degree of identicalness of said set of service classification and material terms recited in the offer and the request for offer; and for communicating to matched participants of the evaluated and matched data.

60. An apparatus for facilitating a services marketplace, comprising:
  - means for defining a set of service classification and material terms;
  - means for registering a plurality of participants of the service marketplace;
  - means for searching and compiling at least one offer and one request for offers provided by said participants for selling or buying services, wherein the offer and the request for offer is described in said set of service classification and material terms;
  - means for evaluating and matching the offer and the request for offer based upon the degree of identicalness of said set of service classification and material terms recited in the offer and the request for offer; and
  - means for communicating to matched participants of the result generated by the evaluating and matching means.
61. An apparatus for facilitating a services marketplace according to claim 60 further comprising means for compressing imagery data, and a computer network, fiber optics or satellite system for transmitting said data.

1000 999 888 777 666  
555 444 333 222 111

62. An apparatus for facilitating a services marketplace according to claim 61 further comprising means for decompressing and restoring the imagery data, wherein the imagery data contain holographic imagery data.
63. An apparatus for facilitating a services marketplace according to claim 60 further comprising at least one sensor for sensing smell, touch, taste, pulse, body temperature, body language, or heart beats of at least one of said participants so as to diagnosing the participant of to decide whether the at least one of said participants is lying, or for sensing temperature and characteristics of a commercial or research material.
64. An apparatus for facilitating a services marketplace according to claim 63, wherein the sensor include laser devices or chips with neuron technology built in.
65. An apparatus for facilitating a services marketplace according to claim 63, wherein the sensor is remotely controlled by another participant.
66. An apparatus for facilitating a services marketplace according to claim 60, further comprising recognizing means for recognizing at least one of speech, language, emotion, social intelligent, character and characteristics of at least one of the participants with at least one sensor for sensing smell, touch, taste, pulse, body temperature, body language, heart beats, acoustic or imagery signals collected from the at least one of the participants.
67. A computer program product for facilitating a services marketplace, comprising:  
a module for defining a set of service classification and material terms;

23  
22  
21  
20  
19  
18  
17  
16  
15  
14  
13  
12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1

    a module for registering a plurality of participants of the service marketplace;

    a module for searching and compiling at least one offer and one request for offers provided by said participants for selling or buying services, wherein the offer and the request for offer is described in said set of service classification and material terms;

    a module for evaluating and matching the offer and the request for offer based upon the degree of identicalness of said set of service classification and material terms recited in the offer and the request for offer; and

    means for communicating to matched participants of the result generated by the evaluating and matching module.

68. A computer-implemented method for determine an optimized business action or plan from an integrated and long term perspective, comprising:
  - data-mining customer or market information to discover at least one transactional attribute of one consumer, a market sector, or a market; and
  - simulating the market based upon the results of the data-mining step and operational constrains of one of said participants, wherein the operational constrains includes asset, cash, capital, inventory, labor, staff, debt, liability, intellectual property, customer preference, competitors' actions and plans, suppliers' actions and plans so as to determine an optimized business action or plan from an integrated and long term perspective.
69. A computer-implemented method for determining IQ of a subject comprising
  - sensing touch and size of fingertips of the subject so as to decide the age of the subject;
  - recording information entered by the subject while the subject surfs the web;

comparing said information with reference data of other subjects of the same age; and

determine the IQ of the subject,

wherein the information includes accuracy of spelling, words, topics, interests, mathematical inputs.

70. A method for automatically contacting 911 for emergency services comprising:

providing a sensor and a communicating device;

sensing a body temperature, body language, and heart beats of a person with the sensor;

comparing the body temperature, body language, and heart beats with reference safe ranges;

automatically contacting 911 for emergency services with the communicating device if the body temperature, body language, and heart beats fall outside of reference safe ranges.

71. A computer-implemented method for facilitating auctions of services, comprising:

defining a set of service classification and material terms;

registering a plurality of participants of the service marketplace;

posting or disseminating an initial request for offers or an initial offer described in said set of service classification and material terms;

searching via all servers connected to internet for blank offers or blank request for offers with identical service classification and material terms identical as those described in the initial request for offers or the initial offer but for price, or collecting responsive offers or responsive request for offers so as to compile a bidding list;

selecting a winning offer or request for offer based upon price; and  
settling a transaction between matched participants.

72. A computer-implemented method for creating a services marketplace according to claim 71, wherein the material terms include at least one of geographic restrictions which include labor, unions, professional licenses, local contains requirements, heavy equipment or materials, or unique characteristics of products originated from a specific geographic location.

73. A computer-implemented method for facilitating auctions of services, comprising:

- defining a set of service classification and material terms;
- registering a plurality of participants of the service marketplace;
- posting or disseminating an initial request for offers or an initial offer described in said set of service classification and material terms;
- searching via all servers connected to internet for blank offers or blank request for offers or collecting responsive offers or responsive request for offers until matching one offer or request for offers with identical service classification and material terms identical as those described in the initial request for offers or the initial offer; and
- settling a transaction between matched participants.